

KD-Validated Anti-LLGL1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2281

Product Information

Application	WB
Primary Accession	Q15334
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4695
Calculated MW	115418
Gene Name	LLGL1
Aliases	LLGL1; LLGL Scribble Cell Polarity Complex Component 1; Lgl1; Mgl1; DLG4; HUGL; LLGL; Lethal Giant Larvae Homolog 1, Scribble Cell Polarity Complex Component; Lethal(2) Giant Larvae Protein Homolog 1; Human Homolog To The D-Lgl Gene Protein; HUGL-1; HUGL1; LLGL1, Scribble Cell Polarity Complex Component; Lethal Giant Larvae Homolog 1 (Drosophila); Hugl-1
Immunogen	Recombinant protein of human LLGL1

Additional Information

Gene ID	3996
Other Names	Lethal(2) giant larvae protein homolog 1, LLGL, DLG4, Hugl-1, Human homolog to the D-lgl gene protein, LLGL1, DLG4, HUGL, HUGL1

Protein Information

Name	LLGL1
Synonyms	DLG4, HUGL, HUGL1
Function	Cortical cytoskeleton protein found in a complex involved in maintaining cell polarity and epithelial integrity. Involved in the regulation of mitotic spindle orientation, proliferation, differentiation and tissue organization of neuroepithelial cells. Involved in axonogenesis through RAB10 activation thereby regulating vesicular membrane trafficking toward the axonal plasma membrane.
Cellular Location	Early endosome membrane. Golgi apparatus, trans-Golgi network membrane. Golgi apparatus membrane. Cell projection, axon. Cytoplasm, cytoskeleton Note=Localized to the lateral membrane during the polarization and formation cell-cell contacts. Enriched in developing axons (By similarity).
Tissue Location	Expressed in brain, kidney, and muscle but is barely seen in heart and placenta. Down-regulated or lost in all cell lines and in most of the tumor

samples analyzed. Loss was associated with advanced stage of the disease.

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